



BIOLOGY

BOOKS - CBSE COMPLEMENTARY MATERIAL BIOLOGY (HINGLISH)

ECOSYSTEM

Vsa

1. If we count the number of insects on a tree and number of small birds depending on

those insects and also the number of larger birds eating the smaller , what kind of pyramid of number would we get ?



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2. Difference between sere and seral community.



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3. Who are generally the pioneer species in a Xerarch succession and in a Hydrarch succession ?



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1. What is the shape of pyramid of biomass in sea ? Why so ?



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2. Briefly explain the ecological pyramid which is always upright.



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3. Differentiate between primary succession and secondary succession which one occurs faster ?



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4. Gaseous nutrient cycle and sedimentary nutrient cycles have their reservoir. Name them. Why is a reservoir necessary ?



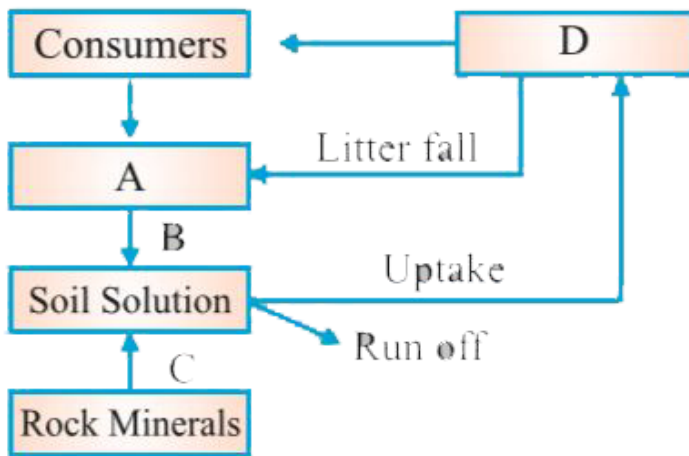
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5. Fill up the missing links depicted as A,B,C and D in the given model of primary succession.



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6. In the model of phosphorus cycle given below, what does A,B ,C and D refer to ?



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7. Differentiate between Hydrarch and a Xerarch succession.

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8. What is the effect on decomposition rate if :

(a) Detritus is rich in lignin and chitin

(b) Detritus is rich in nitrogen and sugars

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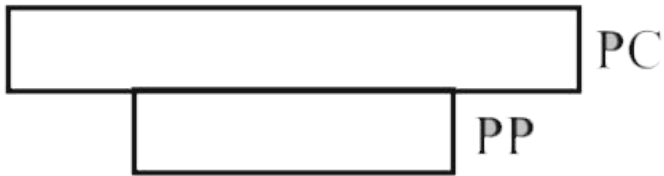
1. Name any four ecosystem services. Who gave the price tags on nature's life support services? Which is the most important ecosystem service provider?



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2. In the pyramid of biomass drawn below, name the two crops (i) one which is supported (ii) one which supports. In which ecosystem is

such a pyramid found.



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3. Dtrivores like earthworm are involved in the process of decomposition of dead plants and animal. Describe the different stpes involved in the process of decomposition.



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